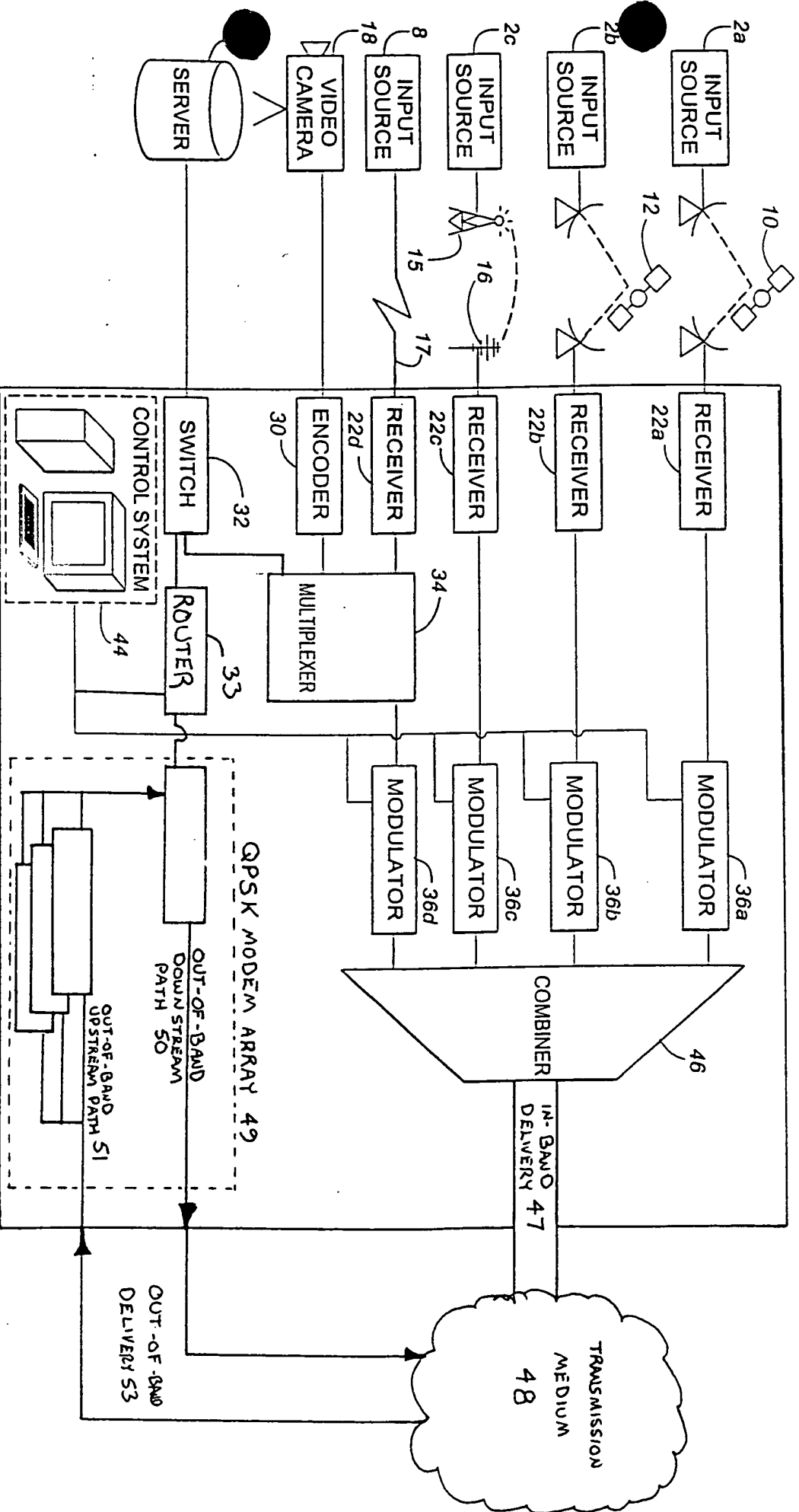


SUBSCRIBER TELEVISION SYSTEM NETWORK

FIG. 1

HEAD END 102



09152415, 061300

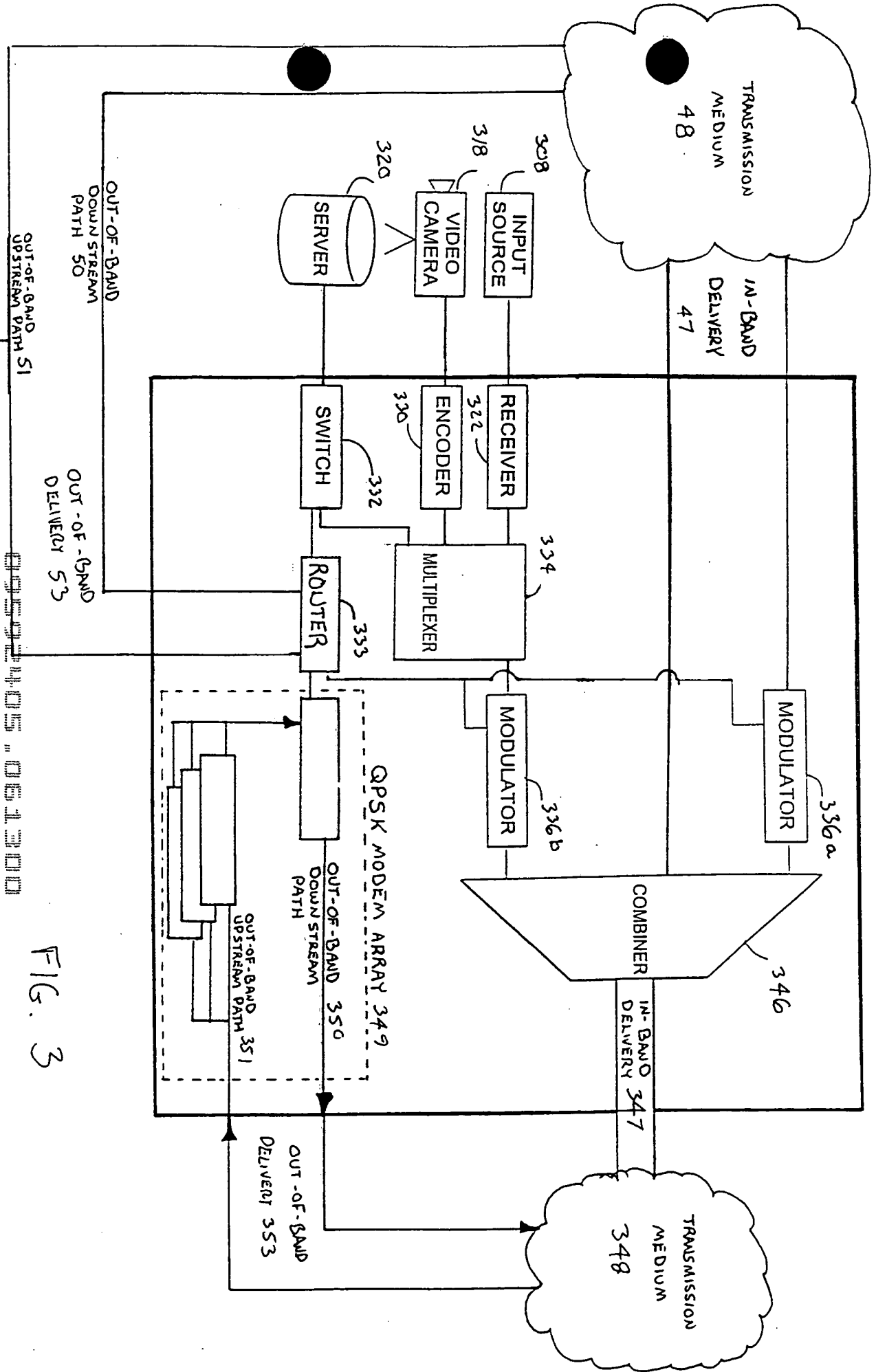


FIG. 3

06372405-061300

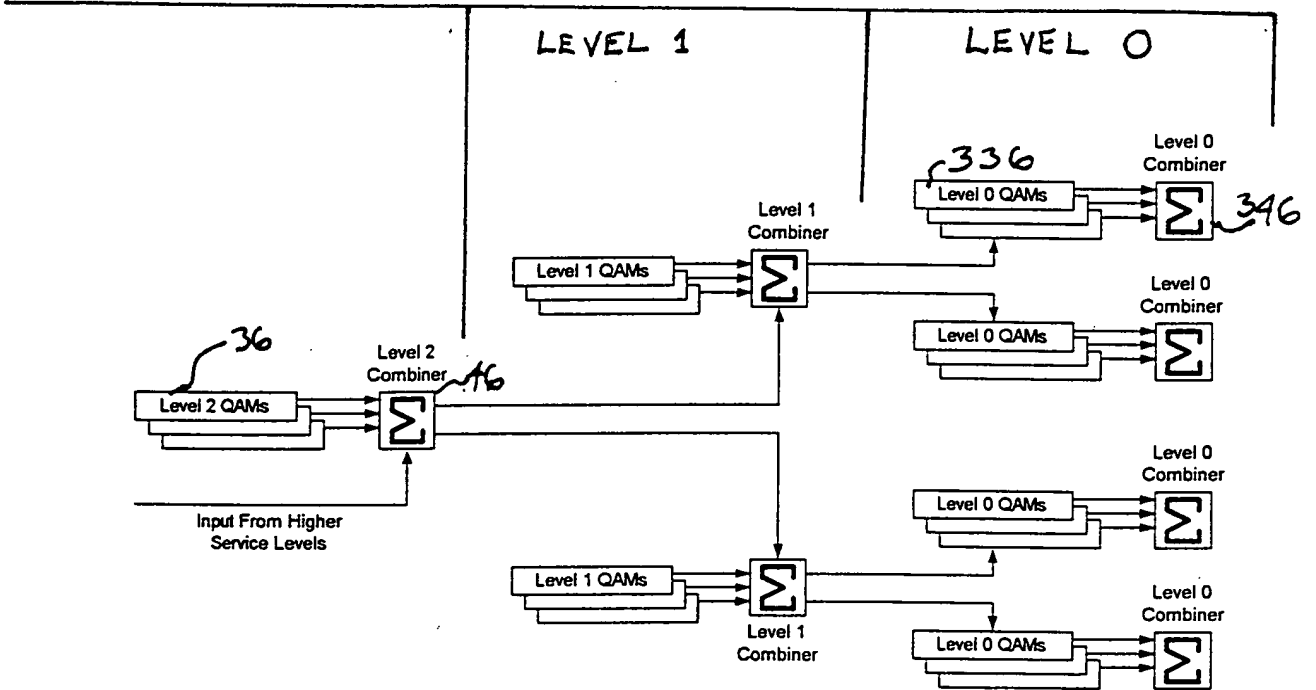


FIG. 4

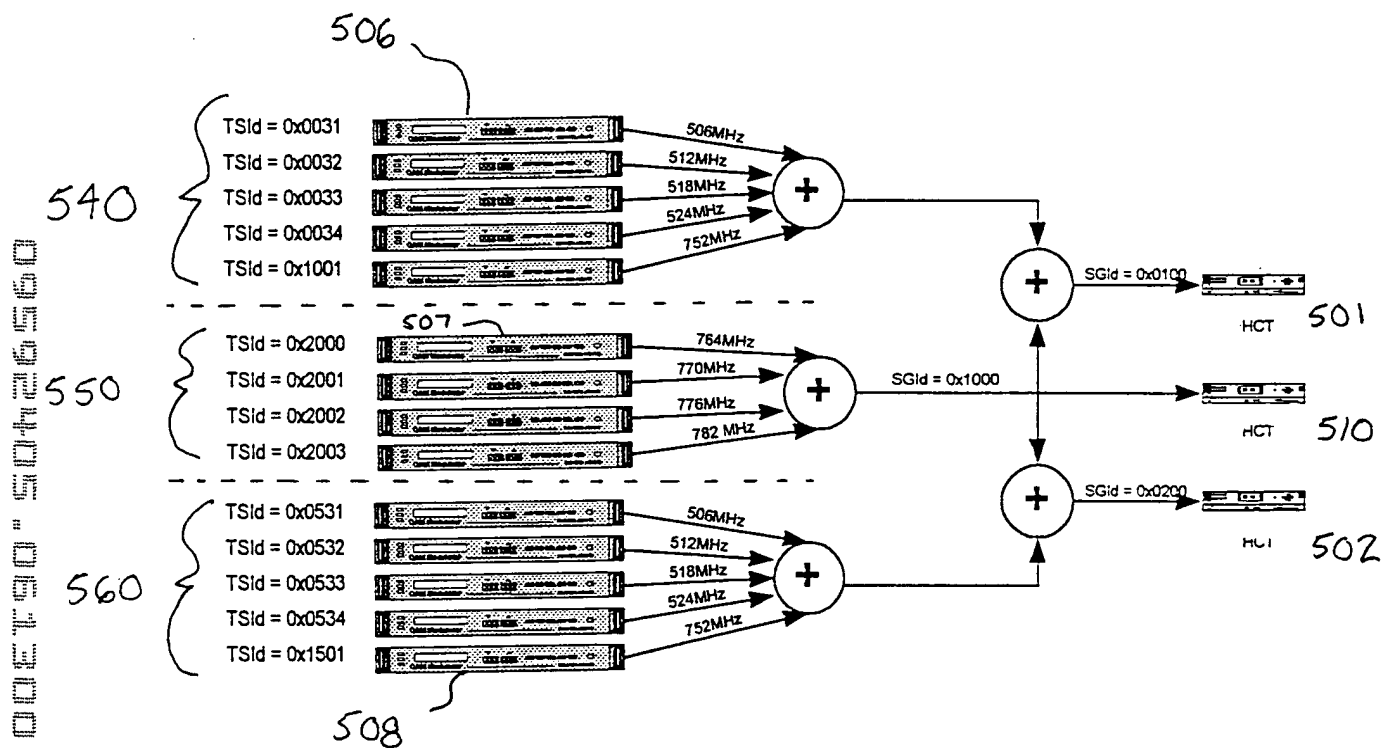


FIG. 5

SERVICE GROUP MAP TABLE 600

TSId	SGId	transmission_ system	inner_ coding_ mode	split_ bitstream_ mode	modulation_ format	symbol_ rate	frequency
mapVersion = 126							
mapEntries = 14							
0x0031	0x0100	2 (ITU-B)	7 (rate 3/4 coding)	0 (no)	8 (QAM 64)	27000000 (27 Msym/sec)	506 MHz
0x0032	0x0100	2	7	0	8 (QAM 64)	27000000	512 MHz
0x0033	0x0100	2	7	0	8 (QAM 64)	27000000	518 MHz
0x0034	0x0100	2	7	0	8 (QAM 64)	27000000	524 MHz
0x1001	0x0100	2	7	0	8 (QAM 64)	27000000	752 MHz
0x0531	0x0200	2 (ITU-B)	7 (rate 3/4 coding)	0 (no)	8 (QAM 64)	27000000 (27 Msym/sec)	506 MHz
0x0532	0x0200	2	7	0	8 (QAM 64)	27000000	512 MHz
0x0533	0x0200	2	7	0	8 (QAM 64)	27000000	518 MHz
0x0534	0x0200	2	7	0	8 (QAM 64)	27000000	524 MHz
0x1501	0x0200	2	7	0	16 (QAM 256)	38000000 (38 Msym/sec)	752 MHz
0x2000	0x1000	2	7	0	16 (QAM 256)	38000000	764 MHz
0x2001	0x1000	2	7	0	16 (QAM 256)	38000000	770 MHz
0x2002	0x1000	2	7	0	16 (QAM 256)	38000000	776 MHz
0x2003	0x1000	2	7	0	16 (QAM 256)	38000000	782 MHz

FIG. 6

0052435.061390

```

graph TD
    705[HCT RETRIEVES SERVICE GROUP  
MAP TABLE FROM BITSTREAM] --> 706[HCT TUNES TO A FREQUENCY  
FROM RETRIEVED TABLE]
    706 --> 707{HCT DETECTS  
VALID SIGNAL AT TUNED  
FREQUENCY?}
    707 -- NO --> 706
    707 -- YES --> 708[HCT DETERMINES ASSOCIATED  
SERVICE GROUP FROM TABLE]
    708 --> 709{IS ASSOCIATED  
SERVICE GROUP DIFFERENT FROM  
SERVICE GROUP STORED ON  
HCT?}
    709 -- NO --> 710[STOP]
    709 -- YES --> 711[HCT TRANSMITS ASSOCIATED  
SERVICE GROUP TO HEADEND]
  
```

FIG. 7


```

graph TD
    902[902 SYSTEM CONTROLLER DETECTS SYSTEM RECONFIGURATION OR CHANGE] --> 904[904 SYSTEM CONTROLLER REBUILDS MODULATOR TUNING TABLE]
    904 --> 906[906 SYSTEM CONTROLLER SENDS AUDIT REQUEST TO DESIGNATED HCTs]
    906 --> 908[908 DESIGNATED HCTs RESPOND TO AUDIT REQUEST BY RETREIVING MODULATION TUNING MAP AND TUNING TO EACH LISTED FREQUENCY]
    908 --> 910[910 DESIGNATED HCTs LIST TSIDs FOR EACH TUNED FREQUENCY WITH A VALID SIGNAL]
    910 --> 912[912 DESIGNATED HCTs TRANSMIT LIST OF TSIDs TO SYSTEM CONTROLLER]
    912 --> 914[914 SYSTEM CONTROLLER CREATES OR UPDATES SERVICE GROUP ASSIGNMENTS, LEVELS AND ASSOCIATED TABLES]
  
```

FIG. 9